



OPEN Author Correction: An emotional discrete controller PSO tuned and designed for a real industrial pumping system

Davidson C. Marques, Jeydson L. Silva, Milde Maria S. Lira & Ronaldo R. B. Aquino

Correction to: *Scientific reports* <https://doi.org/10.1038/s41598-022-08192-2>, published online 11 March 2022

The original version of this Article omitted the Funding section. The Funding section now reads:

“This work was supported by Brazilian Coordination for the Improvement of Higher Education Personnel (CAPES) and Federal University of Pernambuco (UFPE) through the PROPG 02/2021 announcement.”

The original Article has been corrected.



Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>.

© The Author(s) 2022